

US-PAT-NO: **6351647**

DOCUMENT-IDENTIFIER: **US 6351647 B1**

TITLE: **Location-dependent services in a mobile communication system**

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Brief Summary Text - BSTX (8):

The base stations BTS continuously broadcast information on a broadcast channel about themselves and their environment, such as a base station identity code BSIC, adjacent cell information and a location area identifier LAI broadcast on a paging channel. The cell broadcast centre situated at the base station controller BSC, for example. manages the messages of the cell broadcast channels of the base stations BTS. The cell broadcast centre transmits via the base station controller BSC the broadcast messages assigned for each individual base station BTS on the basis of

initial information supplied by the operator. The broadcast on paging channels and cell broadcast channels, for example, has no address nor is encrypted but intended to be received by all mobile stations MS within the geographical area covered by the transmission of the base station. For a more detailed description of cell broadcast, reference is made to GSM recommendation GSM 03.41 "European digital cellular telecommunication system (Phase 2); Technical realization of Short Message Service Cell Broadcast (SMSCB)".

Claims Text - CLTX (39):

location information identification means for separating location from a received broadcast signal; and

Current US Cross Reference Classification - CCXR (2):

455/456.3